

Application No.: 09/704904

Docket No.: CXT-054RCE

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for partial page regeneration of a transmitted page by a server, said method comprising:

receiving, at a server, page generation code that generates a page, the page comprising a plurality of dynamic portions;

transmitting, from the server, said page to a client for display;

displaying said page on the client;

associating, by the server, a portion of said received page generation code with data and an executable code fragment;

receiving, by the server, a notification of a change in the data associated with the portion of the received page generation code;

executing, by the server in response to receiving the notification of the change, said associated executable code fragment of said code to produce a modified version of one of the plurality of dynamic portions of said displayed page; and

transmitting to the client the modified version of the one of the plurality of dynamic portions and a command for instructing the client to replace the one of the plurality of dynamic portions specified by an identifier specifying one of the plurality of dynamic portions of the displayed page to be replaced by using the modified versions of the one of the dynamic portions without transmitting a modified version of the entire displayed page.

2. (Cancelled)

3. (Previously Presented) The method of claim 1 further comprising selectively executing the associated code fragment.

4. (Previously Presented) The method of claim 3 wherein the step of selectively executing further comprises intercepting communication between said associated code fragment and other parts of said page generation code to enable execution of less than said entire page generation code.

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5. (Previously Presented) The method of claim 3 wherein the step of selectively executing further comprises adding additional code to operate with said page generation code to enable selective execution of said associated code fragment.

6. (Previously Presented) The method of claim 1 wherein the step of associating further comprises:

executing a code fragment of said page generation code to generate an output; and
identifying with an identification tag said generated output of said executed code fragment to identify which portion of said displayed page is created by said executed code fragment.

7. (Original) The method of claim 6 wherein the step of identifying further comprises inserting said identification tag at the beginning and the ending of said generated output.

8. (Original) The method of claim 1 wherein said code is formatted as a servlet.

9. (Original) The method of claim 1 wherein said page is formatted as a Hypertext Markup Language (HTML) page.

10. (Cancelled)

11. (Cancelled)

12. (Currently Amended) A server for partial page regeneration of a transmitted page, said server comprising:

a transceiver in communication with a client, said transceiver transmitting a page to the client for displaying the page generated by execution of page generation code and the page comprising a plurality of dynamic portions; and

a partial page regenerator in communication with said transceiver, said partial page regenerator associating a portion of the received page generation code with data and an executable code fragment, receiving notification of a change in the data associated with the portion of the received page generation code, executing said associated executed code fragment

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of said code to produce a modified version of one of the plurality of dynamic portions of said displayed page, and providing to the transceiver for transmission to the client the modified version of the one of the plurality of dynamic portions and a command for instructing the client to replace the one of the plurality of dynamic portions specified by an identifier specifying one of the plurality of dynamic portions of the displayed page to be replaced by using the modified version of the one of the plurality of dynamic portions without transmitting a modified version of the entire displayed page.

13. (Previously Presented) The server of claim 12 further comprising a source of page generation code.

14. (Cancelled)

15. (Previously Presented) The server of claim 12 wherein said partial page regenerator selectively executes said associated code fragment.

16. (Previously Presented) The server of claim 15 wherein said partial page regenerator intercepts communication between said associated code fragment and other parts of said code to enable execution of less than said entire page generation code.

17. (Previously Presented) The server of claim 15 wherein said partial page regenerator adds additional code to operate with said page generation code to enable selective execution of said associated code fragment.

18. (Previously Presented) The server of claim 12 wherein said partial page regenerator executes said code fragment to generate an output and inserts an identification tag at beginning and ending of said generated output of said executed code fragment to identify which portion of said displayed page is created by said executed code fragment.

19. (Previously Presented) The server of claim 18 wherein said partial page regenerator stores a relationship between said portion of said page and said code fragment of said code that generates said portion.

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20. (Cancelled)

21. (Cancelled)

22. (Currently Amended) A system for partial page regeneration of a transmitted page, said system comprising:

an external page code source;

a client comprising:

a client transceiver receiving a page and displaying the page on the client, the page comprising a plurality of dynamic portions; and

a server comprising:

a partial page regenerator associating a portion of received page generation code with data and an executable code fragment, receiving notification of a change in the data associated with the portion of received page generation code, executing said associated executable code fragment to produce a modified version of one of the plurality of dynamic portions of said displayed page; and

a server transceiver in communication with said partial page regenerator, said server transceiver transmitting to said client the modified version of one of the plurality of dynamic portions and a command for instructing the client to replace the one of the plurality of dynamic portions specified by an identifier-specifying one of the plurality of dynamic portions of the displayed page to be replaced by using the modified versions— of the one of the dynamic portions without transmitting a modified version of the entire displayed page.

23. (Original) The system of claim 22 wherein said external page code source is located on said server.

24. (Previously Presented) The system of claim 23 wherein said partial page regenerator sends said modified version of one of the plurality of dynamic portions and said identifier to said server transceiver for transmission to said client.

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25. (Previously Presented) The system of claim 23 wherein said partial page regenerator manipulates execution of said page generation code to enable selective execution of said associated code fragment.

26. (Previously Presented) The system of claim 23 wherein said partial page regenerator intercepts communication between said associated code fragment and other parts of said code to enable execution of less than said entire page generation code.

27. (Previously Presented) The system of claim 26 wherein said partial page regenerator adds additional code to operate with said page generation code to enable selective execution of said associated code fragment.

28. (Previously Presented) The system of claim 23 wherein said partial page regenerator executes said code fragment to generate an output and inserts an identification tag at beginning and ending of said generated output of said executed code fragment to identify which portion of said displayed page is created by said executed code fragment.

29. (Previously Presented) The system of claim 23 wherein said partial page regenerator stores a relationship between said portion of said page and said code fragment of said code that generates said portion.